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1   **Author verification by linguistic profiling: An exploration of the parameter space**
Hans Van Halteren
January 2007 ACM Transactions on Speech and Language Processing (TSLP),   Volume 4 Issue 1
Publisher: ACM
Full text available: 📄 pdf(180.26 KB)   Additional Information: full citation, abstract, references, index terms

This article explores the effects of parameter settings in linguistic profiling, a technique in which large numbers of counts of linguistic features are used as a text profile which can then be compared to average profiles for groups of texts. Although ...

Keywords: Authorship attribution, authorship recognition, authorship verification, machine learning

2   **Profiling and reducing processing overheads in TCP/IP**
Jonathan Kay, Joseph Pasquale
December 1996 IEEE/ACM Transactions on Networking (TON),   Volume 4 Issue 6
Publisher: IEEE Press
Full text available: 📄 pdf(1.21 MB)   Additional Information: full citation, references, cited by, index terms

3   **The impact of participation in information system design: a comparison of contextual placements**
Magnus Irestig, Henrik Eriksson, Toomas Timpka
July 2004 PDC 04: Proceedings of the eighth conference on Participatory design: Artful integration: interweaving media, materials and practices - Volume 1,   Volume 1
Publisher: ACM
Full text available: 📄 pdf(259.12 KB)   Additional Information: full citation, abstract, references, cited by, index terms
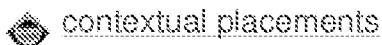
To compare the outcomes of participatory and user-centered contextual design, case study methods and the Activity Checklist derived from Activity Theory are used to analyze two system prototypes developed in the same organizational setting. Systematic ...

4 Software profiling for hot path prediction: less is more

Evelyn Duesterwald, Vasanth Bala
November 2000 ACM SIGPLAN Notices, Volume 35 Issue 11
Publisher: ACM

Full text available: pdf(2.43 MB) Additional Information: full citation, abstract, references, index terms

> Recently, there has been a growing interest in exploiting profile information in adaptive systems such as just-in-time compilers, dynamic optimizers and, binary translators. In this paper, we show that sophisticated software profiling schemes that provide ...

5 Profiling self-propagating worms via behavioral footprinting

Xuxian Jiang, Dongyan Xu
November 2006 WORM '06: Proceedings of the 4th ACM workshop on Recurring malcode
Publisher: ACM

Full text available: pdf(365.36 KB) Additional Information: full citation, abstract, references, index terms

> This paper proposes behavioral footprinting, a new dimension of worm profiling based on worm infection sessions. A worm's infection session contains a number of steps (e.g., for probing, exploitation, and replication) that are exhibited in certain order ...
>
> Keywords: behavioral footprinting, content signature, worm profiling, worms

6 Continuous Path and Edge Profiling

Michael D. Bond, Kathryn S. McKinley
November 2005 MICRO 38: Proceedings of the 38th annual IEEE/ACM International Symposium on Microarchitecture
Publisher: IEEE Computer Society

Full text available: pdf(554.61 KB) Publisher Site Additional Information: full citation, abstract, references, cited by, index terms

> Microarchitectures increasingly rely on dynamic optimization to improve performance in ways that are dif- ficult or impossible for ahead-of-time compilers. Dynamic optimizers in turn require continuous, portable, low cost, and accurate control-flow profiles ...

7 Low-overhead call path profiling of unmodified, optimized code

Nathan Froyd, John Mellor-Crummey, Rob Fowler
June 2005 ICS '05: Proceedings of the 19th annual international conference on Supercomputing
Publisher: ACM

Full text available: pdf(399.57 KB) Additional Information: full citation, abstract, references, cited by

> Call path profiling associates resource consumption with the calling context in which resources were consumed. We describe the design and implementation of a low-overhead call path profiler based on stack sampling. The profiler uses a novel sample-driven ...

8 Accurate, efficient, and adaptive calling context profiling

Xiaotong Zhuang, Mauricio J. Serrano, Harold W. Cain, Jong-Deok Choi
June 2006 PLDI '06: Proceedings of the 2006 ACM SIGPLAN conference on
              Programming language design and implementation
Publisher: ACM

Full text available: pdf(181.96 KB)   Additional Information: full citation, abstract, references,
                                                            cited by, index terms

   Calling context profiles are used in many inter-procedural code optimizations
   and in overall program understanding. Unfortunately, the collection of profile
   information is highly intrusive due to the high frequency of method calls in
   most applications. ...

   Keywords: adaptive, call graph, calling context, calling context tree, java
   virtual machine, profiling

9 Portable, efficient, and accurate sampling profiling for java-based
   middleware
   Walter Binder
   September 2005 SEM '05: Proceedings of the 5th international workshop on
                  Software engineering and middleware
   Publisher: ACM

Full text available: pdf(166.68 KB)   Additional Information: full citation, abstract, references,
                                                            index terms

   This paper presents innovative program transformations for the efficient and
   accurate profiling of Java programs. The profiling is based on a deterministic
   sampling mechanism that exploits the number of executed JVM bytecode
   instructions to trigger a ...

   Keywords: JVM, Java, bytecode instrumentation, program transformations,
   sampling profiling

10 Software profiling for hot path prediction: less is more
   Evelyn Duesterwald, Vasanth Bala
   December 2000 ACM SIGARCH Computer Architecture News,   Volume 28 Issue 5
   Publisher: ACM

Full text available: pdf(286.07 KB)   Additional Information: full citation, abstract, references,
                                                            cited by, index terms

   Recently, there has been a growing interest in exploiting profile information in
   adaptive systems such as just-in-time compilers, dynamic optimizers and,
   binary translators. In this paper, we show that sophisticated software profiling
   schemes that provide ...

11 Partial method compilation using dynamic profile information
   John Whaley
   October 2001 OOPSLA '01: Proceedings of the 16th ACM SIGPLAN conference on
                  Object oriented programming, systems, languages, and applications
   Publisher: ACM

Full text available: pdf(1.73 MB)   Additional Information: full citation, abstract, references, cited
                                                            by, index terms

   The traditional tradeoff when performing dynamic compilation is that of fast
   compilation time versus fast code performance. Most dynamic compilation
   systems for Java perform selective compilation and/or optimization at a
   method granularity. This is the ...

12 Ontological user profiling in recommender systems

Stuart E. Middleton, Nigel R. Shadbolt, David C. De Roure
January 2004 ACM Transactions on Information Systems (TOIS), Volume 22 Issue 1
Publisher: ACM

Full text available: pdf(358.77 KB)   Additional Information: full citation, abstract, references, cited by, index terms

We explore a novel ontological approach to user profiling within recommender systems, working on the problem of recommending on-line academic research papers. Our two experimental systems, Quickstep and Foxtrot, create user profiles from unobtrusively ...

Keywords: Agent, machine learning, ontology, personalization, recommender systems, user modelling, user profiling

13 Proceedings of the 2005 ACM workshop on Information retrieval in peer-to-peer networks

Henrik Nottelmann, Karl Aberer, Jamie Callan, Wolfgang Nejdl
November 2005 proceeding
Publisher: ACM

Additional Information: full citation, abstract

It is our great pleasure to welcome you to the *2th Workshop on Information Retrieval in Peer-to-Peer Networks -- P2PIR 2005*. This year's workshop aims at bringing together young researchers from Information Retrieval and Database Systems working ...

14 Topic taxonomy adaptation for group profiling

Lei Tang, Huan Liu, Jianping Zhang, Nitin Agarwal, John J. Salerno
January 2008 ACM Transactions on Knowledge Discovery from Data (TKDD), Volume 1 Issue 4
Publisher: ACM

Full text available: pdf(1.06 MB)   Additional Information: full citation, abstract, references, index terms

A topic taxonomy is an effective representation that describes salient features of virtual groups or online communities. A topic taxonomy consists of topic nodes. Each internal node is defined by its vertical path (i.e., ancestor and child nodes) and ...

Keywords: Topic taxonomy, dynamic profiling, group interest, taxonomy adjustment, text hierarchical classification

15 Profiling tools for hardware/software partitioning of embedded applications

Dinesh C. Suresh, Walid A. Najjar, Frank Vahid, Jason R. Villarreal, Greg Stitt
July 2003 ACM SIGPLAN Notices, Volume 38 Issue 7
Publisher: ACM

Full text available: pdf(228.38 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Loops constitute the most executed segments of programs and therefore are the best candidates for hardware software partitioning. We present a set of profiling tools that are specifically dedicated to loop profiling and do support combined function and ...

Keywords: compiler optimization, hardware/software partitioning, loop analysis

16 Heap profiling for space-efficient Java

Ran Shaham, Elliot K. Kolodner, Mooly Sagiv
June 2001 PLDI '01: Proceedings of the ACM SIGPLAN 2001 conference on
Programming language design and implementation
Publisher: ACM

Full text available: pdf(1.52 MB)   Additional Information: full citation, abstract, references, cited
by, index terms

We present a heap-profiling tool for exploring the potential for space savings
in Java programs. The output of the tool is used to direct rewriting of
application source code in a way that allows more timely garbage collection
(GC) of objects, thus saving ...

17 Estimating the impact of heap liveness information on space consumption
in Java

Ran Shaham, Elliot K. Kolodner, Mooly Sagiv
February 2003 ACM SIGPLAN Notices,   Volume 38 Issue 2 supplement
Publisher: ACM

Full text available: pdf(303.65 KB)   Additional Information: full citation, abstract, references,
cited by, index terms

We study the potential impact of different kinds of liveness information on the
space consumption of a program in a garbage collected environment,
specifically for Java. The idea is to measure the time difference between the
actual time an object is ...

Keywords: Java, compilers, garbage collection, liveness analysis, memory
management, program analysis

18 Comparing corpora using frequency profiling

Paul Rayson, Roger Garside
October 2000 Proceedings of the workshop on Comparing corpora - Volume
9,   Volume 9
Publisher: Association for Computational Linguistics

Full text available: pdf(488.11 KB)   Additional Information: full citation, abstract, references,
cited by

This paper describes a method of comparing corpora which uses frequency
profiling. The method can be used to discover key words in the corpora which
differentiate one corpus from another. Using annotated corpora, it can be
applied to discover key grammatical ...

19 Semisupervised Learning for Molecular Profiling

Cesare Furlanello, Maria Serafini, Stefano Merler, Giuseppe Jurman
April 2005 IEEE/ACM Transactions on Computational Biology and
Bioinformatics (TCBB),   Volume 2 Issue 2
Publisher: IEEE Computer Society Press

Full text available: pdf(1.09 MB)   Additional Information: full citation, abstract, references, index
terms

Class prediction and feature selection are two learning tasks that are strictly
paired in the search of molecular profiles from microarray data. Researchers
have become aware how easy it is to incur a selection bias effect, and
complex validation setups ...

Keywords: Machine learning, data mining, classifier design and evaluation,
feature evaluation and selection, pattern analysis, clustering, similarity

measures, biology and genetics, bioinformatics databases.

20 Adaptive information access and the quest for the personalization-privacy
    sweetspot
    Barry Smyth
    January 2005 IUI '05: Proceedings of the 10th international conference on
                Intelligent user interfaces
    Publisher: ACM
    Full text available: pdf(100.57 KB) Additional Information: full citation, abstract, cited by
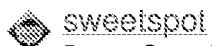
> In 2000 the entire World-Wide Web consisted of just 21 terabytes of
> information; now it grows by 3 times this every single day. This phenomenal
> growth frames the information overload problem that is threatening to stall
> the information revolution going ...

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